

ABSTRACT OF THE DISCLOSURE

A wireless communication apparatus is provided in which a wireless part receives multipath detection information sent from a wireless communication apparatus at the other end (a mobile station, for example) and provides the multipath detection information to a multipath component canceling signal generation part. The multipath component canceling signal generation part generates a multipath component canceling signal based on the multipath detection information, and provides the multipath component canceling signal to the wireless part. The wireless part sends the multipath component canceling signal with a send wave to the wireless communication apparatus at the other end.